

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Utility Patent Application of: )  
 Thomas A. Knecht, Stephane Michel and Glen O. Reeser )  
 For: Tuneable Frequency Translator )  
 Mailed: October 24, 2003 )

22141 U.S. PTO  
 10/693251  
 102403

PATENT APPLICATION TRANSMITTAL

Mail Stop Patent Application - Fee  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Dear Sir:

Enclosed are the following documents:

X Specification, Claims and Abstract.

X 7 Sheets of Drawings (Figures 1-10).

X Declaration and Power of Attorney.

The filing fee has been calculated as shown below:

			Small Entity			Other Than A Small Entity	
For:	No. Filed	No. Extra	Rate	Fee	or	Rate	Fee
Basic Fee				\$385	or		\$770
Total Claims	47 - 20 =	27	x 9 =	\$	or	x 18 =	\$486
Indep. Claims	3 - 3 =	0	x43 =	\$	or	x 86 =	\$
<input type="checkbox"/> First Presentation of Multiple Dependent Claim			x145 =	\$0	or	x290 =	\$0
			Total	\$	or	Total	\$1256

Check No. 18767 in the amount of \$1,256.00 is attached.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-0280. A duplicate copy of this sheet is attached.

X Any additional filing fees under 37 C.F.R. § 1.16.

Respectfully submitted,

Date: 10/24/03

By: 

Edward L. Bishop, Reg. No. 39,110  
Wallenstein Wagner & Rockey, Ltd.  
311 S. Wacker Drive, 53rd Floor  
Chicago, Illinois 60606-6630  
312.554.3300

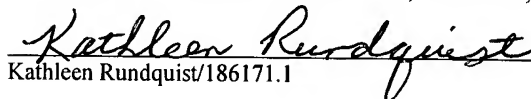
---

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

Express Mail Label No. EL 999599255 US

Date of Deposit: October 24, 2003


I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, postage prepaid, under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Mail Stop Patent Application - Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

  
Kathleen Rundquist/186171.1

In Re Utility Application Of: Thomas A. Knecht, Stephane Michel and Glen O. Reeser  
For: Tuneable Frequency Translator  
WW&R File No. 5703 P 005

Enclosures: Post Card.  
Check No. 18767 in the sum of \$1,256.00.  
Patent Application Transmittal (in duplicate).  
22 Sheets of Specification, Claims and Abstract (47 Claims/3 independent).  
7 Sheets Drawings (Figs. 1-10).  
Declaration and Power of Attorney.

I HEREBY CERTIFY THAT THIS PAPER AND THE ABOVE DOCUMENTS ARE BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: MAIL STOP PATENT APPLICATION - FEE, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VIRGINIA 22313-1450 ON OCTOBER 24, 2003 UNDER EXPRESS MAIL NO. EL 999599255 US.



**PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:**

**STEVEN WESEMAN  
CUSTOMER NO. 28168  
CTS CORPORATION  
171 COVINGTON DRIVE  
BLOOMINGDALE, ILLINOIS 60108  
630.924.3790**